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# Dell Cloud Client Computing

## Einstieg in die Technik

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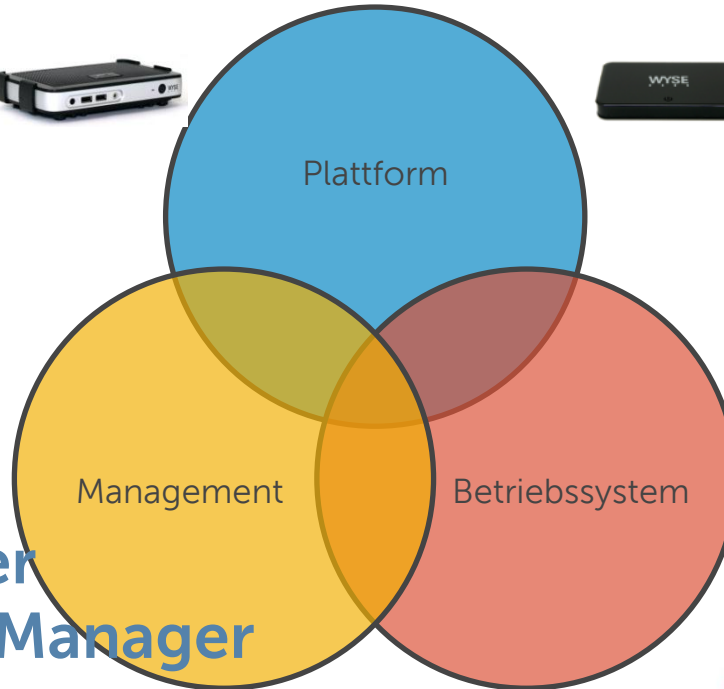
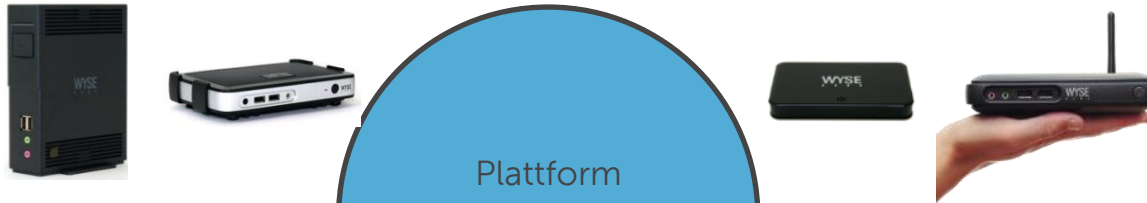
# Dell Wyse Cloud Client Computing

## Flexibilität beim Endgerät

Thin



Zero



- Device Manager
- Configuration Manager
- Cloud Client Manager
- Automated Management

 Microsoft SCCM



The power to do more

# Dell Wyse Cloud Client Computing

## Übersicht der Plattformen










# Technische Merkmale der HW Plattformen



| Model                       | T Class                     | V Class LE               | C Class LE                   | X Class  | R Class                            | D class                              | Z Class   |
|-----------------------------|-----------------------------|--------------------------|------------------------------|--|------------------------------------|--------------------------------------|---|
| <b>OS</b>                   | ThinOS /<br>Ubuntu<br>Linux | ThinOS / CE              | ThinOS / CE /<br>SUSE / WES  | WES /<br>SUSE / CloudPC                                  | ThinOS                             | SUSE / WES /<br>CloudPC              | SUSE / WES /<br>CloudPC                           |
| <b>CPU</b>                  | ARM V7 1G                   | VIA 1,2G                 | VIA 1G + HW<br>Media Decoder | AMD 1,6G DC (Xm)<br>Atom 1,33G (Xc)                      | AMD 1,5G<br>+ATI 690E<br>GPU       | AMD 1,4G DC                          | AMD 1,5G SC<br>AMD 1,65G DC                       |
| <b>USB</b>                  | 2F / 2B                     | 1F / 2B                  | 2F / 2B                      | 1x2.0 / 2x3.0 (side)                                     | 2F / 4B                            | 2F / 2B                              | 4 USB2.0<br>2 USB3.0                              |
| <b>NIC</b>                  | 10/100/1000                 | 10/100                   | 10/100/1000                  | 10/100/1000 (Xm)<br>10/100 (Xc)                          | 10/100/1000                        | 10/100/1000<br>SFP / FiberNIC (Opt.) | 10/100/1000                                       |
| <b>WiFi</b>                 | Internal<br>B/G/N           | Internal B/G             | Internal B/G/N               | Int. A/B/G/N (Xm)<br>Int. B/G/N (Xc)<br>Bluetooth (Opt.) | Internal<br>B/G/N and<br>Bluetooth | Internal A/B/G/N<br>Dual-Band        | Internal A/B/G/N<br>Dual-Band<br>Bluetooth (Opt.) |
| <b>Smartcard</b>            | USB/KB                      | Internal/USB/KB          | USB/KB                       | Internal/USB/KB  | USB/KB                             | USB/KB                               | USB/KB  |
| <b>PS/2</b>                 |                             | 2                        | 2                            |  | 2                                  |                                      | 1 (Opt.)  |
| <b>Expansion</b>            | SD Card<br>(T50)            |                          |                              | Express Card (Xm)  | PCI Express<br>(R90DE7)            |                                      | PCI Express<br>(Z90DE7)                           |
| <b>Ser/Par</b>              |                             | 1S / 1P                  | Ext USB adapter              | Ext USB adapter  | 2S                                 | Ext USB adapter                      | 2S / 1P (Opt.)                                    |
| <b>Graphics<br/>Chipset</b> | Integrated<br>SoC           | VIA CN700                | VIA VX855                    | Intel GMA500 (Xc)<br>UVD Eng. 3.0 (Xm)                   | ATI 690E                           | UVD Engine 3.0                       | UVD Engine 3.0                                    |
| <b>Video</b>                | DVI-I (VGA<br>w adapter)    | DVI-I (VGA w<br>adapter) | DVI-I (VGA w<br>adapter)     | VGA (Xc)<br>VGA & DP (Xm)                                | 1 x DVI-I<br>1 x DVI-D             | 1 x DVI-I<br>1 x DisplayPort (DP)    | 1 x DVI-I<br>1 x DisplayPort (DP)                 |

# Wyse Thin Client-Namenskonvention

| HW \ OS  |   | ThinOS | Windows CE | Linux        | WES7 / WES2009                 |
|----------|---|--------|------------|--------------|--------------------------------|
|          |   | (10)   | (30)       | (50)         | (90)                           |
| <b>T</b> |    | T10    |            | T50 (Ubuntu) |                                |
| <b>V</b> |    | V10LE  | V30LE      |              | V90LEW                         |
| <b>C</b> |    | C10LE  | C30LE      | C50LE (V7)   | C90LEW / C90LE7                |
| <b>D</b> |    |        |            | D50D         | D90D7 / D90DW                  |
| <b>R</b> |   | R10L   |            |              |                                |
| <b>X</b> |  |        |            | x50m         | X90cw / X90c7<br>X90mw / X90m7 |
| <b>Z</b> |  |        |            | Z50D/S       | Z90SW / Z90DW<br>Z90S7 / Z90D7 |

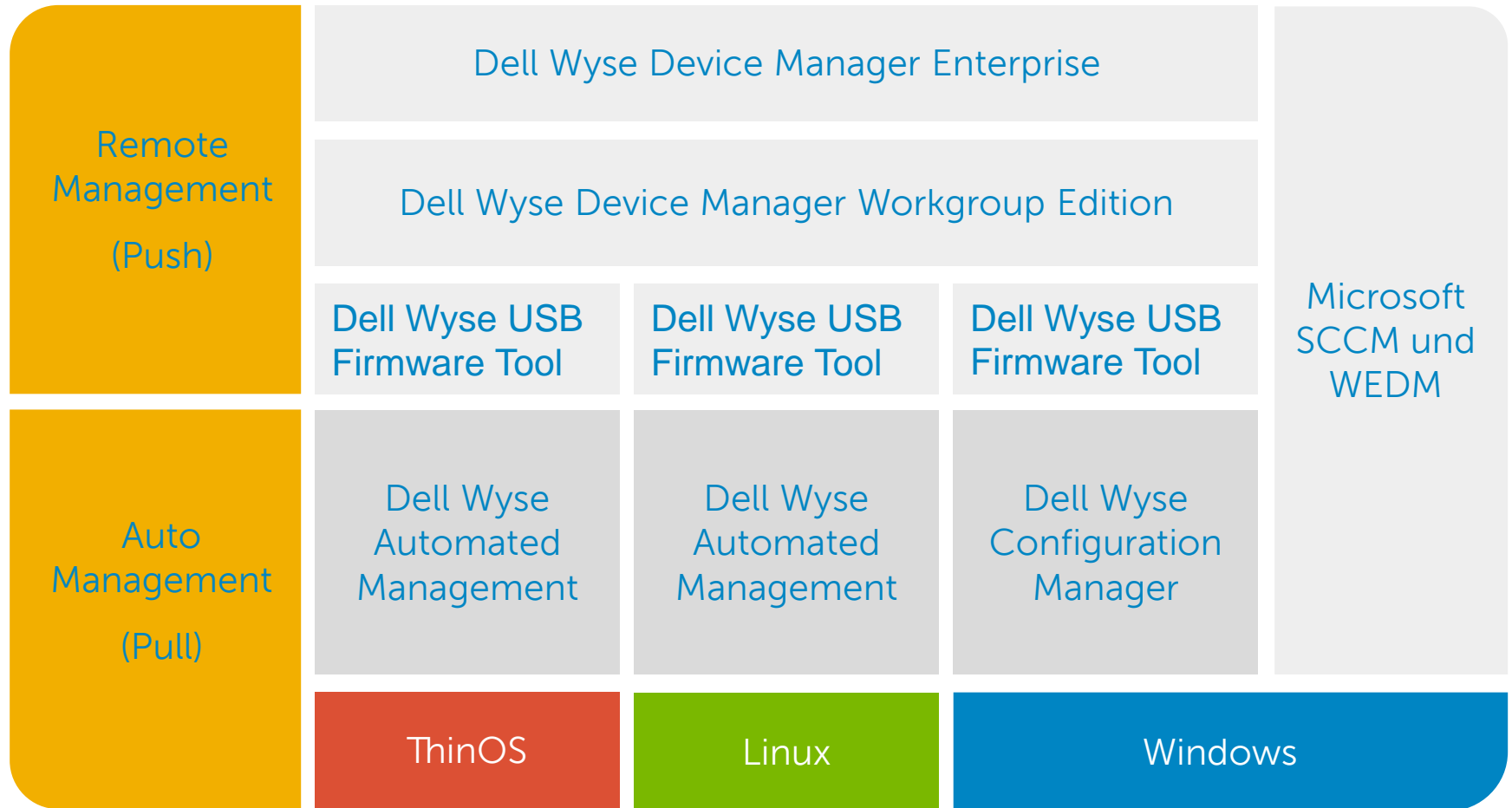


# Dell Wyse Cloud Client Computing

## Übersicht der Management- Optionen



# Dell Wyse Thin Client Management



# Dell Wyse Automated Management am Beispiel von ThinOS™

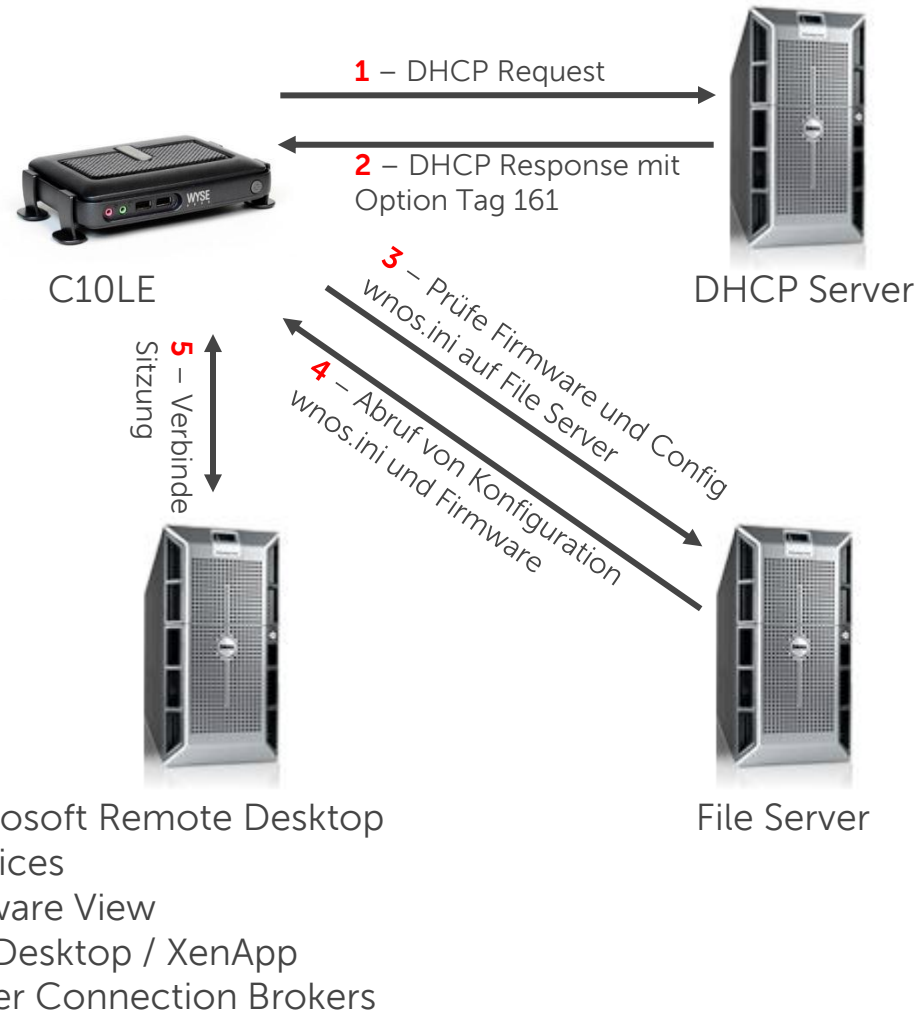
Konfiguration und Firmware-Update erfolgen in drei einfachen Schritten:

1. Setzen des DHCP Option Tag 161 als String Referenz zum File Server für Firmware und Konfigurationsdatei *wnos.ini*
2. Platzieren der Firmware und Konfigurationsdatei auf dem File Server
3. Einschalten des Geräts -> Alles weitere erfolgt vollautomatisch

Ermöglicht es, mit geringstem Aufwand eine große Anzahl von Geräten auf einem identischen Firmware- und Konfigurationsstand zu halten.

Verschiedene Mechanismen erlauben spezifische Konfigurationen für

- Geräte
- Benutzer
- Subnetze
- etc.





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Live Demo





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